CIVIL TECH LABS
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TEST REPORT

GRAIN SIZE ANALYSIS OF SOIL

Name & Address of the Customer	AEE, Shettyhalli Sub Division BBMP.
Name of the project	Consultancy services for Construction Supervision, Project management and Quality control for the 2 works in **Dasarahalli Division Package-03**
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	01/06/2019
Technical Reference	IS : 2720 (Part IV)–1985 (Reaffirmed 2015)

Grain Size Distribution in %	
Gravel	**45.30**
Sand	**37.20**
Silt & Clay	**17.50**

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(KHUSHBOO L.)
Quality Manager

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TEST REPORT

FLAKINESS INDEX AND ELONGATION INDEX TEST ON AGGREGATES (20mm↓)

Name & Address of the Customer	AEE, Shettyhalli Sub Division BBMP.
Name of the project	Consultancy services for Construction Supervision, Project management and Quality control for the 2 works in **Dasarahalli Division Package-03**
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	01/06/2019
Technical Reference	IS 2386(Part 1)- 1963 (Reaffirmed-2016)

Test	Result in %
Flakiness Index	0.5
Elongation Index	32.7

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Shettyhalli Sub Division BBMP.
Name of the project	Consultancy services for Construction Supervision, Project management and Quality control for the 2 works in **Dasarahalli Division Package-03**
Name of Work	Improvements and Asphalting to Saptagiri College main and adjacent cross roads in ward no 12 Shettyhalli Sub Division
Name of Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-15
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work (Precast Slab 100mm Thick)	06/06/2019	04/07/2019	28	8.22	356	**15.82**	**15.91**
2					8.23	358	**15.91**	
3					8.26	360	**16.00**	

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Shettyhalli Sub Division BBMP.
Name of the project	Consultancy services for Construction Supervision, Project management and Quality control for the 2 works in **Dasarahalli Division Package-03**
Name of Work	Improvements and Asphalting to Saptagiri College main and adjacent cross roads in ward no 12 Shettyhalli Sub Division
Name of Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work	12/06/2019	19/06/2019	7	8.22	335	**14.89**	**15.26**
2					8.23	345	**15.33**	
3					8.25	350	**15.56**	

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Shettyhaili Sub Division BBMP.
Name of the project	Consultancy services for Construction Supervision, Project management and Quality control for the 2 works in **Dasarahalli Division Package-03**
Name of Work	Improvements and Asphalting to Saptagiri College main and adjacent cross roads in ward no 12 Shettyhalli Sub Division
Name of Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-4	15/06/2019	13/07/2019	28	8.25	510	**22.67**	**22.89**
2					8.27	515	**22.89**	
3					8.28	520	**23.11**	

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TEST REPORT

COMBINED FLAKINESS AND ELONGATION INDEX TEST ON AGGREGATES

Name & Address of the Customer	AEE, Shettyhalli Sub Division BBMP.
Name of the project	Consultancy services for Construction Supervision, Project management and Quality control for the 2 works in **Dasarahalli Division Package-03**
Name of the Agency	M/s. K. R. I. D. L.
Sample	Wet Mix Macadam
Date of Testing	18/06/2019
Technical Reference	IS 2386(Part 1)- 1963 (Reaffirmed-2016)

Test	Result in %	Combined Flakiness & Elongation Index 'C-F&E' in %	Requirements As per MORTH (5th Revision) Table 400-12 for WMM
Flakiness Index	13.9	**30.5**	Maximum allowed 'C-F&E' is 35 %
Elongation Index	16.6		

Remarks	**Satisfies the requirement**

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